

Substitution for form 1449A/1449B INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/624,332
				Filing Date	July 22, 2003
				First Named Inventor	David R. Hembree
				Group Art Unit	2811
				Examiner Name	Unknown
				Attorney Docket Number	3592.8US (97-0321.08/US)
Sheet	1	of	1		

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Examiner Signature	<i>[Signature]</i>	Date Considered	06/23/04
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) 3592.8US (97-0321.08/US) Application Number Not yet assigned Applicant David R. Hembree Filing Date July 22, 2003 Group Art Unit Unknown					
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AR	4,024,570	05/1977	Hartmann et al.				
	4,059,467	11/1977	Mancke et al.				
	4,059,708	11/1977	Heiss, Jr. et al.				
	4,081,825	03/1978	Koopman et al.				
	4,143,456	03/1979	Inoue				
	4,264,917	04/1981	Ugon				
	4,300,153	11/1981	Hayakawa et al.				
	4,323,914	04/1982	Berndlmaier et al.				
	4,358,552	11/1982	Shinohara et al.				
	4,507,675	03/1985	Fujii et al.				
	4,602,678	07/1986	Fick				
AR	4,628,406	12/1986	Smith et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
AR	52-77684	06/1977	Japan				
	55-128835	10/1980	Japan				
	56-4241	01/1981	Japan				
	60-94744	05/1985	Japan				
AR	60-178651	09/1985	Japan				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
AR		Crum, <i>Trends in Advanced Component Technologies</i> , Electronic Packaging & Production (January 1998) pages 48-53.					
AR		Lawing, <i>Vacuum Dispensing of Encapsulants for μBGA Manufacturing</i> , Electronic Packaging & Production (February 1998), pages 87-91.					
AR		Markstein, <i>Cooling Techniques for Today's Electronics</i> , Electronic Packaging & Production (November 1997), pages 78-82.					
EXAMINER			DATE CONSIDERED				
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AR	5,120,665	06/1992	Tsukagoshi et al.				
	5,144,747	09/1992	Eichelberger				
	5,173,764	12/1992	Higgins, III				
	5,175,613	12/1992	Barker, III et al.				
	5,182,173	01/1993	Swei				
	5,184,208	02/1993	Sakuta et al.				
	5,194,930	03/1993	Papathomas et al.				
	5,201,866	04/1993	Mok				
	5,218,759	06/1993	Juskey et al.				
	5,233,220	08/1993	Lamson et al.				
	5,239,200	08/1993	Messina et al.				
	5,249,101	09/1993	Frey et al.				
AR	5,252,853	10/1993	Michii				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
AR	4-157758	05/1992	Japan				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER AR				DATE CONSIDERED 06/23/04			

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U.S. PATENT DOCUMENTS

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AR	4,642,671	02/1987	Rohsler et al.			
	4,801,998	01/1989	Okuaki			
	4,862,245	08/1989	Pashby et al.			
	4,873,615	10/1989	Grabbe			
	4,931,852	06/1990	Brown et al.			
	4,942,140	07/1990	Ootsuki et al.			
	4,961,107	10/1990	Geist et al.			
	4,984,059	01/1991	Kubota et al.			
	5,051,275	09/1991	Wong			
	5,071,787	12/1991	Mori et al.			
	5,081,067	01/1992	Shimizu et al.			
	5,101,465	03/1992	Murphy			
AR	5,108,955	04/1992	Ishida et al.			

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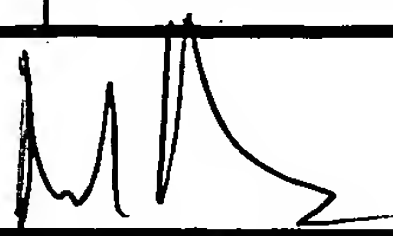
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AR	62-109326	05/1987	Japan				
	62-115834	05/1987	Japan				
	62-261133	11/1987	Japan				
AR	2-306639	12/1990	Japan				

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(Including Author, Title, Date, Pertinent Pages, Etc.)

AR		Smith, <i>Packaging to Beat the Heat</i> , Semiconductor International (November 1997), pages 73-76.
AR		Die Attach Products, Johnson Matthey Electronics, Product Data (07/01/94), 6 pages.
AR		Product Bulletin, Dexter Electronic Materials Division (undated), 2 pages.

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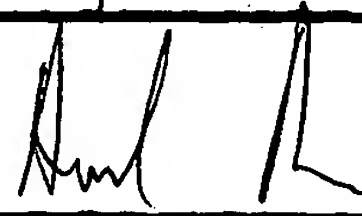
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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) 3592.8US (97-0321.08/US)		Application Number Not yet assigned		
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AR	5,286,679	02/1994	Farnworth et al.			
	5,289,346	02/1994	Carey et al.			
	5,291,064	03/1994	Kurokawa			
	5,304,842	04/1994	Farnworth et al.			
	5,311,060	05/1994	Rostoker et al.			
	5,344,795	09/1994	Hashemi et al.			
	5,358,598	10/1994	Chiu			
	5,358,904	10/1994	Murakami et al.			
	5,358,906	10/1994	Lee			
	5,371,044	12/1994	Yoshida et al.			
AR	5,378,924	01/1995	Liang			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>						
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
DR	5,379,186	01/1995	Gold et al.				
	5,379,187	01/1995	Lee et al.				
	5,379,191	01/1995	Carey et al.				
	5,385,869	01/1995	Liu et al.				
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DR	5,436,203	07/1995	Lin				
FOREIGN PATENT DOCUMENTS							
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AR	5,438,216	08/1995	Juskey et al.			
	5,441,684	08/1995	Lee			
	5,450,283	09/1995	Lin et al.			
	5,455,200	10/1995	Bigler et al.			
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	5,488,254	01/1996	Nishimura et al.			
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AR	5,541,446	07/1996	Kierse			

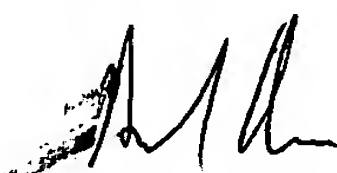
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AR	5,552,635	09/1996	Kim et al.			
	5,579,573	12/1996	Baker et al.			
	5,594,282	01/1997	Otsuki			
	5,596,231	01/1997	Combs			
	5,598,034	01/1997	Wakefield			
	5,604,376	02/1997	Hamburggen et al.			
	5,610,442	03/1997	Schneider et al.			
	5,641,997	06/1997	Ohta et al.			
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AR	5,659,952	08/1997	Kovac et al.			

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MR	5,663,106	09/1997	Karavakis et al.			
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	5,681,757	10/1997	Hayes			
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	5,931,222	08/1999	Toy et al.			
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NR	6,117,797	09/2000	Hembree			
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	6,229,204	05/2001	Hembree			
	6,232,152	05/2001	DiStefano et al.			
	6,249,436	06/2001	Bollesen			
	6,251,707	06/2001	Bernier et al.			
	6,432,840	08/2002	Hembree			
	6,451,709	09/2002	Hembree			
NR	6,596,565	07/2003	Hembree			

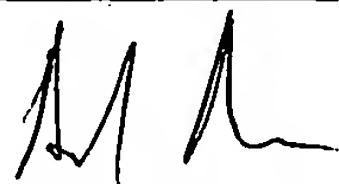
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